FIRST AND FINAL BILL

Name of Work: Construction of CC drains and Development works in ward no 01 and ward no 02

Work Order No: BBMP/EE/YNK.D/WO/28/2019-20, Date: 07.05.2020.

JOB NUMBER: 001-19-000046

Estimate Cost: 600 Lakhs

Agreement No: BBMP/EE/YNK.D/E-PMT-02/AG/224/2019-20, Date: 19.03.2020.

Name of Contractor: Sri. R. Satheesh (M/s.Sathya Constructions)

PRE MEASUREMENTS

Date of Premeasurement: 14/5/2020

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
	Ward no 01								
	Surabhi Layout								
	2nd cros(indian gas)								
	Right side		1	26	1	1	1	1	26.00
	Left side								
	Ch : 0 to 30m		1	30	1	1	1	1	30.00
	Ch : 30 to 60m		1	30	1	1	1	1	30.00
	Ch : 60 to 69m		1	9	1	1	1	1	9.00
	Jasmine apartment approch								
	Ch : 0 to 30m		1	30	1	1	1	1	30.00
	Ch : 30 to 38m		1	8	1	1	1	1	8.00
	Apartment road, Left side								
	Ch : 0 to 30m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 30 to 60m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 60 to 90m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 90 to 120m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 120 to 1500m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 150 to 180m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 180 to 197.3m		1	17.3	1.05	1.05	1.05	1	18.17
	Balaji Apartment road left side								
	Ch : 0 to 22m		1	22	1.05	1.05	1.05	1	23.10
	Balaji Apartment road right side								
	Ch : 0 to 30m		1	30	1	1	1	1	30.00
	Ch : 30 to 60m		1	30	1	1	1	1	30.00
	Ch : 60 to 90m		1	30	1	1	1	1	30.00
	Ch : 90 to 120m		1	30	1	1	1	1	30.00
	Ch : 120 to 127m		1	7	1	1	1	1	7.00
	GKVK Layout								

Measurement C&FC Verified on 14/05/2020

A.E.E

14-05-2020

14/5/2020 AE-02

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Jakkur main road to Radiant jasmin apartment								
	Ch : 0 to 30m		2	30	1.05	1.05	1.05	1	63.00
	Ch : 30 to 60m		2	30	1	1	1	1	60.00
	Ch : 60 to 90m		2	30	1	1	1	1	60.00
	Ch : 90 to 120m		2	30	1	1	1	1	60.00
	Ch : 120 to 1500m		2	30	1	1	1	1	60.00
	Ch : 150 to 180m		2	30	1	1	1	1	60.00
	Ch : 180 to 201m		2	21	1	1	1	1	42.00
	Jadegowda House Road								
	Ch : 0 to 30m		2	30	1	1	1	1	60.00
	Ch : 30 to 60m		2	30	1	1	1	0.9	54.00
	Ch : 60 to 68.3m		2	8.3	1	1	1	0.9	14.94
	Vivek Marvel road 1 left side								0.00
	Ch : 0 to 30m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 30 to 60m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 60 to 90m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 90 to 120m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 120 to 1500m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 150 to 180m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 180 to 210m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 210 to 240m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 240 to 270m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 270 to 276m		1	6	1.05	1.05	1.05	0.9	5.67
	Vivek Marvel road 1 right side								
	Ch : 0 to 30m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 30 to 60m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 60 to 90m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 90 to 120m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 120 to 1500m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 150 to 180m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 180 to 210m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 210 to 240m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 240 to 246m		1	6	1.05	1.05	1.05	0.9	5.67
	Vivek Marvel road 2								
	Ch : 0 to 30m		2	30	1	1	1	0.9	54.00
	Ch : 30 to 60m		2	30	1	1	1	0.9	54.00
	Ch : 60 to 64m		2	4	1	1	1	0.9	7.20
	Culverts								
			1	15	1.3	1.3	1.3	1.2	23.40
			1	11	1.3	1.3	1.3	1.2	17.16
			1	9.5	1.3	1.3	1.3	1.1	14.08
			1	12	1.3	1.3	1.3	1.2	18.72
			4	6	1.3	1.3	1.3	1.2	37.44
	Desliting								
	Apartment road right side		1	185	0.5	0.5	0.5	0.5	46.25
	Balaji Apartment road		1	145	0.5	0.5	0.5	0.5	36.25
	Ward no 02								
	Synik vihar								

Measurements Checked & Found correct
Ruby 14/5
A.E.E

14-05-20

AE-02 14/05/20

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Asram beside road								
	Ch : 0 to 30m		2	30	1.05	1.05	1.05	1	63.00
	Ch : 30 to 60m		2	30	1.05	1.05	1.05	1	63.00
	Ch : 60 to 90m		2	30	1.05	1.05	1.05	1	63.00
	Ch : 90 to 120m		2	30	1.05	1.05	1.05	1	63.00
	Ch : 120 to 150		2	30	1.05	1.05	1.05	1	63.00
	Ch : 150 to 180m		2	30	1.05	1.05	1.05	1	63.00
	Ch : 180 to 210m		2	30	1.05	1.05	1.05	1	63.00
	Ch : 210 to 226m		2	16	1.05	1.05	1.05	1	33.60
	Cross rd								
	Ch : 0 to 30m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 30 to 60m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 60 to 90m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 90 to 120m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 120 to 151m		1	31	1.05	1.05	1.05	1	32.55
	1st main road								
	Ch : 0 to 30m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 30 to 60m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 60 to 90m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 90 to 120m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 120 to 147m		1	27	1.05	1.05	1.05	1	28.35
	1st main road left side								
	1st cross								
	Ch : 0 to 21. 4m		2	21.4	1.00	1.00	1.00	0.9	38.52
	2nd cross								
	Ch : 0 to 21. 3m		2	21.3	1.00	1.00	1.00	0.9	38.34
	1st main road right side								
	1st cross								
	Ch : 0 to 24.3m		2	24.3	1.00	1.00	1.00	0.9	43.74
	2nd cross								
	Ch : 0 to 24.5m		2	24.5	1.00	1.00	1.00	0.9	44.10
	#32 gurukrupa house beside road								
	Left side								
	Ch : 0 to 30m		1	30	1.00	1.00	1.00	0.9	27.00
	Ch : 30 to 42.50m		1	12.5	1.00	1.00	1.00	0.9	11.25
	Right side								
	Ch : 0 to 30m		1	30	1.00	1.00	1.00	0.9	27.00
	Ch : 30 to 37m		1	7	1.00	1.00	1.00	0.9	6.30
	Guru krupa house road								
	Left side								
	Ch : 0 to 30m		1	30	1.00	1.00	1.00	0.9	27.00
	Ch : 30 to 40m		1	10	1.00	1.00	1.00	0.9	9.00
	Right side								
	Ch : 0 to 30m		1	30	1.00	1.00	1.00	0.9	27.00
	Ch : 30 to 47m		1	17	1.00	1.00	1.00	0.9	15.30
	Prakruthi layout								
	Main road left side								
	Ch : 0 to 30m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 30 to 60m		1	30	1.05	1.05	1.05	1	31.50

A.E.E

AE-02
14/05/20

14-05-20

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Ch : 60 to 90m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 90 to 120m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 120 to 150m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 150 to 178.3m		1	28.3	1.05	1.05	1.05	1	29.72
	Right side								
	Ch : 0 to 30m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 30 to 60m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 60 to 90m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 90 to 120m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 120 to 133.70m		1	13.7	1.05	1.05	1.05	1	14.39
	cross 1								
	Ch : 0 to 30m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 30 to 60m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 60 to 68.6m		1	8.6	1.05	1.05	1.05	1	9.03
	Harohalli								
	Ch : 0 to 30m		1	30	1.05	1.05	1.05	1	31.50
	Ch : 30 to 60m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 60 to 90m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 90 to 120m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 120 to 150m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 150 to 180m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch :180 to 210m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch :210 to 240m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch :240 to 270m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch :270 to 300m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch :300 to 327m		1	27	1.05	1.05	1.05	0.9	25.52
	7th cross, cross5								
	Ch : 0 to 30m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 30 to 60m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 60 to 69m		1	9	1.05	1.05	1.05	0.9	8.51
	7th cross, cross2								
	Ch : 0 to 30m		2	30	1.05	1.05	1.05	0.9	56.70
	Ch : 30 to 60m		2	30	1.05	1.05	1.05	0.9	56.70
	Ch : 60 to 90m		2	30	1.05	1.05	1.05	0.9	56.70
	Ch : 90 to 120m		2	30	1.05	1.05	1.05	0.9	56.70
	Ch : 120 to 149.50m		2	29.5	1.05	1.05	1.05	0.9	55.76
	7th cross, cross3 left side								
	Ch : 0 to 30m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 30 to 60m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 60 to 90m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 90 to 118.80m		1	28.8	1.05	1.05	1.05	0.9	27.22
	7th cross, cross3								
	Ch : 0 to 30m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 30 to 60m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 60 to 90m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 90 to 120m		1	30	1.05	1.05	1.05	0.9	28.35
	Ch : 120 to 140m		1	20	1.05	1.05	1.05	0.9	18.90
	7th cross, cross8								
	Ch : 0 to 24.4m		2	24.4	1.00	1.00	1.00	0.9	43.92

A.E.E

AE 02
14/05/20

Asst. Executive Engineer
Yelahanka Sub. D
(BBM
Yelahan

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Culverts								
	Prakruthi layout								
	Synik vihar		2	6	1.30	1.30	1.30	1	15.60
			3	8	1.30	1.30	1.30	1	31.20
			3	6	1.30	1.30	1.30	1	23.40
			1	6.2	1.30	1.30	1.30	1	8.06
	Naidu layout		3	5.6	1.30	1.30	1.30	1	21.84
			2	7.4	1.30	1.30	1.30	1	19.24
			1	6.5	1.30	1.30	1.30	1	8.45
	Provision store back side		1	5.7	1.30	1.30	1.30	1	7.41
			1	36.3	1.05	1.05	1.05	1	38.12
		Cum							**4449.40**
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications, MORTH specifications No. 408, (P.No.13, I.No.4-1.2 of PW,P&IWTD S.R 2018-19)								
	Ward No. 01								
	Surabhi Layout								
	2nd cross(Indian gas)								
	Right side				Avg.				
	Left side		1	26.00	1.00	1.00	1.00	0.15	3.90
	Ch : 0 to 30m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 30 to 60m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 60 to 69m		1	9.00	1.00	1.00	1.00	0.15	1.35
	Jasmine apartment approch								
	Ch : 0 to 30m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 30 to 38m		1	8.00	1.00	1.00	1.00	0.15	1.20
	Apartment road, Left side								
	Ch : 0 to 30m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 30 to 60m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 60 to 90m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 90 to 120m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 120 to 1500m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 150 to 180m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 180 to 197.3m		1	17.30	1.00	1.00	1.00	0.15	2.60
	Balaji Apartment road left side								
	Ch : 0 to 22m		1	22.00	1.00	1.00	1.00	0.15	3.30
	Balaji Apartment road right side								
	Ch : 0 to 30m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 30 to 60m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 60 to 90m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 90 to 120m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 120 to 127m		1	7.00	1.00	1.00	1.00	0.15	1.05
	GKVK Layout								

A.E.E

Measurements checked & found correct

Verified on 19/05/2020

A.E.E

19/5

5 of 42

AE-32 19/05/20

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Jakkur main road to Radiant jasmin apartment								
	Left Side								
	Ch : 0 to 30m		2	30.00	1.00	1.00	1.00	0.15	9.00
	Ch : 30 to 60m		2	30.00	1.00	1.00	1.00	0.15	9.00
	Ch : 60 to 90m		2	30.00	1.00	1.00	1.00	0.15	9.00
	Ch : 90 to 120m		2	30.00	1.00	1.00	1.00	0.15	9.00
	Ch : 120 to 1500m		2	30.00	1.00	1.00	1.00	0.15	9.00
	Ch : 150 to 180m		2	30.00	1.00	1.00	1.00	0.15	9.00
	Ch : 180 to 201m		2	21.00	1.00	1.00	1.00	0.15	6.30
	Jadegowda House Road								
	Ch : 0 to 30m		2	30.00	1.00	1.00	1.00	0.15	9.00
	Ch : 30 to 60m		2	30.00	1.00	1.00	1.00	0.15	9.00
	Ch : 60 to 68.3m		2	8.30	1.00	1.00	1.00	0.15	2.49
	Vivek Marvel road 1 left side								
	Ch : 0 to 30m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 30 to 60m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 60 to 90m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 90 to 120m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 120 to 1500m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 150 to 180m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 180 to 210m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 210 to 240m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 240 to 270m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 270 to 276m		1	6.00	1.00	1.00	1.00	0.15	0.90
	Vivek Marvel road 1 right side								
	Ch : 0 to 30m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 30 to 60m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 60 to 90m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 90 to 120m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 120 to 1500m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 150 to 180m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 180 to 210m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 210 to 240m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 240 to 246m		1	6.00	1.05	1.05	1.05	0.15	0.95
	Vivek Marvel road 2								
	Ch : 0 to 30m		2	30.00	1.00	1.00	1.00	0.15	9.00
	Ch : 30 to 60m		2	30.00	1.00	1.00	1.00	0.15	9.00
	Ch : 60 to 64m		2	4.00	1.05	1.05	1.05	0.15	1.26
	Culverts								
			1	15.00	1.30	1.30	1.30	0.15	2.93
			1	11.00	1.30	1.30	1.30	0.15	2.15
			1	9.50	1.30	1.30	1.30	0.15	1.85
			1	12	1.30	1.30	1.30	0.15	2.34
			4	6	1.30	1.30	1.30	0.15	4.68
	Surabhi layout		1	40.00	1.00	1.00	1.00	0.15	6.00
	Ward 2								
	For drain								
	Syanik Vihar Layout								
	Ashrama Beside Road								

A.E.E

A.E.E

A.E.E

A.E.E

30-12-2020

AE-2
30/12/20

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Ch : 0 to 30m		2	30.00	1.05	1.05	1.05	0.15	9.45
	Ch : 30 to 60m		2	30.00	1.05	1.05	1.05	0.15	9.45
	Ch : 60 to 90m		2	30.00	1.05	1.05	1.05	0.15	9.45
	Ch : 90 to 120m		2	30.00	1.05	1.05	1.05	0.15	9.45
	Ch : 120 to 150m		2	30.00	1.05	1.05	1.05	0.15	9.45
	Ch : 150 to 180m		2	30.00	1.05	1.05	1.05	0.15	9.45
	Ch : 180 to 210m		2	30.00	1.05	1.05	1.05	0.15	9.45
	Ch : 210 to 226m		2	16.00	1.05	1.05	1.05	0.15	5.04
	Cross Road								
	Ch : 0 to 30m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 30 to 60m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 60 to 90m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 90 to 120m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 120 to 150m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 150 to 151m		1	1.00	1.05	1.05	1.05	0.15	0.16
	1st Main Road								
	Ch : 0 to 30m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 30 to 60m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 60 to 90m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 90 to 120m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 120 to 147m		1	27.00	1.05	1.05	1.05	0.15	4.25
	1st Main Road Left Side Cross								
	1st Cross		2	21.40	1.05	1.05	1.05	0.15	6.74
	2nd Cross		2	21.30	1.00	1.00	1.00	0.15	6.39
	1st Main Road Right Side Cross								
	1st Cross		2	24.30	1.00	1.00	1.00	0.15	7.29
	2nd Cross		2	24.50	1.00	1.00	1.00	0.15	7.35
	#32 Sri Guru Krupa House Beside Road								
	Left Side Road								
	Ch : 0 to 30m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 30 to 42.5m		1	12.50	1.00	1.00	1.00	0.15	1.88
	Right Side Road								
	Ch : 0 to 30m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 30 to 37m		1	7.00	1.00	1.00	1.00	0.15	1.05
	#32 Sri Guru Krupa House								
	Left Side Road								
	Ch : 0 to 30m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 30 to 40m		1	10.00	1.00	1.00	1.00	0.15	1.50
	Right Side Road								
	Ch : 0 to 30m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 30 to 47m		1	17.00	1.00	1.00	1.00	0.15	2.55
	Prakruthi Layout								
	Main Road left side								
	Ch : 0 to 30m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 30 to 60m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 60 to 90m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 90 to 120m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 120 to 150m		1	30.00	1.05	1.05	1.05	0.15	4.73

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30.5.20

AE 30/05/20

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bengaluru

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Ch : 150 to 178.30m								
	Main Road right side		1	28.30	1.05	1.05	1.05	0.15	4.46
	Ch : 0 to 30m								
	Ch : 30 to 60m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 60 to 90m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 90 to 120m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 120 to 133.70m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Cross1		1	13.70	1.05	1.05	1.05	0.15	2.16
	Ch : 0 to 30m								
	Ch : 30 to 60m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 60 to 68.6m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Harohalli		1	8.60	1.00	1.00	1.00	0.15	1.29
	5th cross								
	Ch : 0 to 30m								
	Ch : 30 to 60m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 60 to 90m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 90 to 120m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 120 to 150m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 150 to 180m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 180 to 210m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 210 to 240m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 240 to 270m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 270 to 300m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 300 to 327m		1	27.00	1.05	1.05	1.05	0.15	4.25
	Naidu Layout								
	7th cross, cross 5								
	Ch : 0 to 30m								
	Ch : 30 to 60m		1	30.00	1.00	1.00	1.00	0.15	4.50
	Ch : 60 to 69m		1	30.00	1.00	1.00	1.00	0.15	4.50
	7th cross, cross 2		1	9.00	1.00	1.00	1.00	0.15	1.35
	Ch : 0 to 30m								
	Ch : 30 to 60m		2	30.00	1.05	1.05	1.05	0.15	9.45
	Ch : 60 to 90m		2	30.00	1.05	1.05	1.05	0.15	9.45
	Ch : 90 to 120m		2	30.00	1.05	1.05	1.05	0.15	9.45
	Ch : 120 to 149.5m		2	30.00	1.05	1.05	1.05	0.15	9.45
	7th cross, cross 3 left side		2	29.50	1.05	1.05	1.05	0.15	9.29
	Ch : 0 to 30m								
	Ch : 30 to 60m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 60 to 90m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 90 to 120m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 120 to 118m		1	30.00	1.05	1.05	1.05	0.15	4.73
	7th cross, cross 3 right side		1	18.00	1.05	1.05	1.05	0.15	2.84
	Ch : 0 to 30m								
	Ch : 30 to 60m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 60 to 90m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 90 to 120m		1	30.00	1.05	1.05	1.05	0.15	4.73
	Ch : 120 to 140m		1	30.00	1.05	1.05	1.05	0.15	4.73
	7th cross, cross B		1	20.00	1.05	1.05	1.05	0.15	3.15
	Culvert		2	24.40	1.00	1.00	1.00	0.15	7.32

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30-05-2020

AE → JE
30/05/20

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Prakruthi Layout								
	Syanik Vihar Layout		2	6.00	1.30	1.30	1.30	0.15	2.34
			3	8.00	1.30	1.30	1.30	0.15	4.68
			3	6.00	1.30	1.30	1.30	0.15	3.51
	Naidu Layout		1	6.20	1.30	1.30	1.30	0.15	1.21
			3	5.60	1.30	1.30	1.30	0.15	3.28
			2	7.40	1.30	1.30	1.30	0.15	2.89
				6.50	1.30	1.30	1.30	0.15	1.27
	provison store back side		1	5.70	1.30	1.30	1.30	0.15	1.11
			1	36.30	1.05	1.05	1.05	0.15	5.72
		Cum							**686.58**
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (P.No.14, I No.4.11 of PW, P&IWTD S.R 2018-19)								
			Raft						
	Ward No. 01								
	Surabhi Layout								
	2nd cross(Indian gas)				Avg.				
	Right side		1	26.00	0.90	0.90	0.90	0.15	3.51
	Left side								0.00
	Ch : 0 to 30m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 60 to 69m		1	9.00	0.90	0.90	0.90	0.15	1.22
	Jasmine apartment approch								0.00
	Ch : 0 to 30m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 38m		1	8.00	0.90	0.90	0.90	0.15	1.08
	Apartment road, Left side								0.00
	Ch : 0 to 30m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 60 to 90m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 90 to 120m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 120 to 1500m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 150 to 180m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 180 to 197.3m		1	17.30	0.90	0.90	0.90	0.15	2.34
	Balaji Apartment road								
	Ch : 0 to 22m		1	22.00	0.90	0.90	0.90	0.15	2.97

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Verified on 30/05/2020

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Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Balaji Apartment road right side								0.00
	Ch : 0 to 30m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 60 to 90m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 90 to 120m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 120 to 127m		1	7.00	0.90	0.90	0.90	0.15	0.95
	GKVK Layout								0.00
	Jakkur main road to Radiant jasmin apartment Left Side								0.00
	Ch : 0 to 30m		2	30.00	0.90	0.90	0.90	0.15	8.10
	Ch : 30 to 60m		2	30.00	0.90	0.90	0.90	0.15	8.10
	Ch : 60 to 90m		2	30.00	0.90	0.90	0.90	0.15	8.10
	Ch : 90 to 120m		2	30.00	0.90	0.90	0.90	0.15	8.10
	Ch : 120 to 1500m		2	30.00	0.90	0.90	0.90	0.15	8.10
	Ch : 150 to 180m		2	30.00	0.90	0.90	0.90	0.15	8.10
	Ch : 180 to 201m		2	21.00	0.90	0.90	0.90	0.15	5.67
	Jadegowda House Road								
	Ch : 0 to 30m		2	30.00	0.90	0.90	0.90	0.15	8.10
	Ch : 30 to 60m		2	30.00	0.90	0.90	0.90	0.15	8.10
	Ch : 60 to 68.3m		2	8.30	0.90	0.90	0.90	0.15	2.24
	Vivek Marvel road 1 left side								
	Ch : 0 to 30m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 60 to 90m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 90 to 120m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 120 to 1500m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 150 to 180m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 180 to 210m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 210 to 240m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 240 to 270m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 270 to 276m		1	6.00	0.90	0.90	0.90	0.15	0.81
	Vivek Marvel road 1 right side								
	Ch : 0 to 30m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 60 to 90m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 90 to 120m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 120 to 1500m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 150 to 180m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 180 to 210m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 210 to 240m		1	30.00	0.90	0.90	0.90	0.15	4.05
	Ch : 240 to 246m		1	6.00	0.90	0.90	0.90	0.15	0.81
	Vivek Marvel road 2								
	Ch : 0 to 30m		2	30.00	0.90	0.90	0.90	0.15	8.10
	Ch : 30 to 60m		2	30.00	0.90	0.90	0.90	0.15	8.10
	Ch : 60 to 64m		2	4.00	0.90	0.90	0.90	0.15	1.08
	Culverts								
			1	15.00	1.20	1.20	1.20	0.15	2.70
			1	11.00	1.20	1.20	1.20	0.15	1.98
			1	9.90	1.20	1.20	1.20	0.15	1.78

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25-01-22

AE-02
25/1/22

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	surabhi layout		1	12.00	1.20	1.20	1.20	0.15	2.16
	Ward 2		4	6.00	1.20	1.20	1.20	0.15	4.32
	Synik vihar		1	40.00	0.90	0.90	0.90	0.15	5.40
	Asram beside road								
	Ch : 0 to 30m		2	30	0.90	0.90	0.90	0.15	8.10
	Ch : 30 to 60m		2	30	0.90	0.90	0.90	0.15	8.10
	Ch : 60 to 90m		2	30	0.90	0.90	0.90	0.15	8.10
	Ch : 90 to 120m		2	30	0.90	0.90	0.90	0.15	8.10
	Ch : 120 to 150		2	30	0.90	0.90	0.90	0.15	8.10
	Ch : 150 to 180m		2	30	0.90	0.90	0.90	0.15	8.10
	Ch : 180 to 210m		2	30	0.90	0.90	0.90	0.15	8.10
	Ch : 210 to 226m		2	16	0.90	0.90	0.90	0.15	4.32
	Cross rd								
	Ch : 0 to 30m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 60 to 90m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 90 to 120m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 120 to 151m		1	31	0.90	0.90	0.90	0.15	4.19
	1st main road								
	Ch : 0 to 30m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 60 to 90m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 90 to 120m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 120 to 147m		1	27	0.90	0.90	0.90	0.15	3.65
	1st main road left side								
	1st cross								
	Ch : 0 to 21. 4m		2	21.4	0.90	0.90	0.90	0.15	5.78
	2nd cross								
	Ch : 0 to 21. 3m		2	21.3	0.90	0.90	0.90	0.15	5.75
	1st main road right side								
	1st cross								
	Ch : 0 to 24.3m		2	24.3	0.90	0.90	0.90	0.15	6.56
	2nd cross								
	Ch : 0 to 24.5m		2	24.5	0.90	0.90	0.90	0.15	6.62
	#32 gurukrupa house beside road								
	Left side								
	Ch : 0 to 30m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 42.50m		1	12.5	0.90	0.90	0.90	0.15	1.69
	Right side								
	Ch : 0 to 30m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 37m		1	7	0.90	0.90	0.90	0.15	0.95
	Guru krupa house road								
	Left side								
	Ch : 0 to 30m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 40m		1	10	0.90	0.90	0.90	0.15	1.35
	Right side								
	Ch : 0 to 30m		1	30	0.90	0.90	0.90	0.15	4.05

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Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Ch : 30 to 47m		1	17	0.90	0.90	0.90	0.15	2.30
	Prakruthi layout								
	Main road left side								
	Ch : 0 to 30m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 60 to 90m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 90 to 120m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 120 to 150		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 150 to 178.30m		1	28.3	0.90	0.90	0.90	0.15	3.82
	Main road right side								
	Ch : 0 to 30m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 60 to 90m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 90 to 120m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 120 to 133.70m		1	13.7	0.90	0.90	0.90	0.15	1.85
	cross 1								
	Ch : 0 to 30m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 60 to 68.6m		1	8.6	0.90	0.90	0.90	0.15	1.16
	Harohalli								
	Ch : 0 to 30m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 60 to 90m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 90 to 120m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 120 to 150m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 150 to 180m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch :180 to 210m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch :210 to 240m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch :240 to 270m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch :270 to 300m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch :300 to 327m		1	27	0.90	0.90	0.90	0.15	3.65
	7th cross, cross5								
	Ch : 0 to 30m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 60 to 69m		1	9	0.90	0.90	0.90	0.15	1.24
	7th cross, cross2								
	Ch : 0 to 30m		2	30	0.90	0.90	0.90	0.15	8.10
	Ch : 30 to 60m		2	30	0.90	0.90	0.90	0.15	8.10
	Ch : 60 to 90m		2	30	0.90	0.90	0.90	0.15	8.10
	Ch : 90 to 120m		2	30	0.90	0.90	0.90	0.15	8.10
	Ch : 120 to 149.50m		2	29.5	0.90	0.90	0.90	0.15	7.97
	7th cross, cross3 left side								
	Ch : 0 to 30m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 60 to 90m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 90 to 118.8m		1	28.8	0.90	0.90	0.90	0.15	3.89
	7th cross, cross3 right side								
	Ch : 0 to 30m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 30 to 60m		1	30	0.90	0.90	0.90	0.15	4.05

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Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Ch : 60 to 90m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 90 to 120m		1	30	0.90	0.90	0.90	0.15	4.05
	Ch : 120 to 140m		1	20	0.90	0.90	0.90	0.15	2.70
	7th cross, crossB								
	Ch : 0 to 24.4m		1	24.4	0.90	0.90	0.90	0.13	5.49
	Culverts								
	Prakruthi layout		2	6	1.20	1.20	1.20	0.20	2.88
	Synik vihar		3	8	1.20	1.20	1.20	0.20	5.76
			3	6	1.20	1.20	1.20	0.20	4.32
			1	6.2	1.20	1.20	1.20	0.20	1.49
	Naidu layout		3	5.6	1.20	1.20	1.20	0.20	4.03
			2	7.4	1.20	1.20	1.20	0.20	3.55
			1	6.5	1.20	1.20	1.20	0.20	1.56
	provison store back side		1	5.7	1.20	1.20	1.20	0.20	1.37
			1	36.3	0.90	0.90	0.90	0.10	3.27
		Cum							605.83
4	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 (I No-28.8 2,P No-229) PWD SR 2018-19								
	Ward no 01								
	RCC Drain								
	Surabhi Layout								
	2nd cros(indian gas)								
	Total Drain length=95.0m								
	Main bar 10mm dia bar @ 100mm								
	0.617kg/mtr								
	No of U-bar=1268Nos								
	Distribution bar		1268	2.05				0.62	1603.41
	Distribution bar 8mm dia @ 150mm								
	0.39kg/mtr		14	94.50				0.39	515.97
	Jasmine apartment approch								
	Total Drain length=38.0m								
	Main bar 10mm dia bar @ 100mm								
	0.617kg/mtr								
	No of U-bar=448Nos								
	Distribution bar		448	2.05				0.62	566.73
	Distribution bar 8mm dia @ 150mm								
	0.39kg/mtr		14	37.95				0.39	207.21
	Apartment road, Left side								
	Total Drain length=197.3m								
	Main bar 10mm dia bar @ 100mm								

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25/05/2020
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Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

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25-05-2020

A.E.E
25/05/2020

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width		Depth	Quantity
					Avg.			
	0.617kg/mtr							
	No of U-bar=2632Nos							
	Distribution bar		1	2632	2.05		0.62	3328.66
	Distribution bar 8mm dia @ 150mm							
	0.39kg/mtr							
	Balaji Apartment road		1	14	197.30		0.39	1077.26
	Total Drain length=149m							
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=1920Nos							
	Distribution bar		1	1920	2.05		0.62	2428.51
	Distribution bar 8mm dia @ 150mm							
	0.39kg/mtr							
	GKVK Layout		1	14	149.00		0.39	813.54
	Jakkur main road to Radiant jasmin apartment							
	Total Drain length=402m							
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=4730Nos							
	Distribution bar		1	4730	2.05		0.62	5983.26
	Distribution bar 8mm dia @ 150mm							
	0.39kg/mtr							
	Jadegowda House Road		1	14	402.00		0.39	2194.92
	Total Drain length=136.6m							
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=1608Nos							
	Distribution bar		1	1608	2.05		0.62	2033.95
	Distribution bar 8mm dia @ 150mm							
	0.39kg/mtr							
	Vivek Marvel road 1		1	14	136.60		0.39	745.84
	Total Drain length=522.0m							
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=6142Nos							
	Distribution bar		1	6142	2.05		0.62	7768.93
	Distribution bar 8mm dia @ 150mm							
	0.39kg/mtr							
	Vivek Marvel road 2		1	14	522.00		0.39	2850.12
	Total Drain length=128.0m							
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=1507Nos							
	Distribution bar		1	1507	2.05		0.62	1905.98
	Distribution bar 8mm dia @ 200mm							
	0.39kg/mtr							
	Surabhi Layout		1	11	128.00		0.39	549.12
	Total Drain length=40m							
	Main bar 10mm dia bar @ 100mm							

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AE-02 25/05/20

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	0.617kg/mtr								
	No of U-bar=472Nos								
	Distribution bar		✓	472	2.05			0.62	596.49
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
			✓	11	39.95			0.39	171.39
	Culverts								
	Culvert length=15.0m		A.E.E						
	Main bar 12mm dia bar @ 100mm								
	0.89kg/mtr								
	No of U-bar=355Nos								
	Distribution bar		✓	355	2.05			0.89	647.59
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
	Culverts		✓	22	14.95			0.39	128.27
	Culvert length=11.0m		A.E.E						
	Main bar 12mm dia bar @ 100mm								
	0.89kg/mtr								
	No of U-bar=261Nos								
	Distribution bar		✓	261	2.05			0.89	475.87
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
	Culverts		✓	22	10.95			0.39	93.95
	Culvert length=9.5m		A.E.E						
	Main bar 12mm dia bar @ 100mm								
	0.89kg/mtr								
	No of U-bar=226Nos								
	Distribution bar		✓	226	2.05			0.89	411.48
	0.39kg/mtr								
	Distribution bar 8mm dia @ 200mm		✓	22	9.45			0.39	81.08
	Culvert length=12m		A.E.E						
	Main bar 12mm dia bar @ 100mm								
	0.89kg/mtr								
	No of U-bar=284Nos								
	Distribution bar		✓	284	2.05			0.89	518.80
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
	Culverts		✓	22	11.95			0.39	102.53
	Culvert length=24m		A.E.E						
	Main bar 12mm dia bar @ 100mm								
	0.89kg/mtr								
	No of U-bar=567Nos								
	Distribution bar		✓	567	2.05			0.89	1033.95
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
			✓	22	23.80			0.39	204.20
		kgs	A.E.E					Grand Toatal	39039.02
		Tn							39.04

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AE 02
25/05/22

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Ward no 02								
	Ashram Beside road								
	Total Drain length=552m								
	Main bar 10mm dia bar @ 100mm								
	0.617kg/mtr								
	No of U-bar=6495Nos								
	Distribution bar		1	6495	2.05			0.62	8215.35
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
	Cross road		1	551.95				0.39	2367.87
	Total Drain length=151m								
	Main bar 10mm dia bar @ 100mm								
	0.617kg/mtr								
	No of U-bar=1777Nos								
	Distribution bar		1	1777	2.05			0.62	2248.23
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
	1st main road		1	150.95				0.39	647.58
	Total Drain length=147m								
	Main bar 10mm dia bar @ 100mm								
	0.617kg/mtr								
	No of U-bar=1730Nos								
	Distribution bar		1	1730	2.05			0.62	2188.71
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
	1st main road left side		1	146.95				0.39	630.42
	1st cross								
	Total Drain length=42.8m								
	Main bar 10mm dia bar @ 100mm								
	0.617kg/mtr								
	No of U-bar=507Nos								
	Distribution bar		1	507	2.05			0.62	641.13
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
	2nd cross		1	42.75				0.39	183.40
	Total Drain length=42.6m								
	Main bar 10mm dia bar @ 100mm								

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Measurements Verified on 25/05/2020

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Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width		Depth	Quantity
					Avg.			
	0.617kg/mtr							
	No of U-bar=507Nos							
	Distribution bar		✓	507	2.05		0.62	641.13
	Distribution bar 8mm dia @ 200mm							
	0.39kg/mtr							
	1st main road right side		✓	11	42.55		0.39	182.54
	1st cross							
	Total Drain length=48.6m							
	Main bar 10mm dia bar @ 100mm		A.E.E					
	0.617kg/mtr							
	No of U-bar=577Nos							
	Distribution bar		✓	577	2.05		0.62	730.41
	Distribution bar 8mm dia @ 200mm							
	0.39kg/mtr							
	2nd cross		✓	11	48.55		0.39	208.28
	Total Drain length=49m							
	Main bar 10mm dia bar @ 100mm		A.E.E					
	0.617kg/mtr							
	No of U-bar=577Nos							
	Distribution bar		✓	577	2.05		0.62	730.41
	Distribution bar 8mm dia @ 200mm							
	0.39kg/mtr							
	#32 gurukrupa house beside road		✓	11	48.95		0.39	210.00
	Left side							
	Total Drain length=42.5m		A.E.E					
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=507Nos							
	Distribution bar		✓	507	2.05		0.62	641.13
	Distribution bar 8mm dia @ 200mm							
	0.39kg/mtr							
	Right side		✓	11	42.45		0.39	182.11
	Total Drain length=37m		A.E.E					
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=436Nos							
	Distribution bar		✓	436	2.05		0.62	551.85
	Distribution bar 8mm dia @ 200mm							
	0.39kg/mtr							
	Gurukrupa house road		✓	11	36.95		0.39	158.52
	Left side							
	Total Drain length=40m		A.E.E					
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=472Nos							
	Distribution bar		✓	472	2.05		0.62	596.49
	Distribution bar 8mm dia @ 200mm							
	0.39kg/mtr							
	Right side		✓	11	39.95		0.39	171.39

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AE-02
25/05/20

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width		Depth	Quantity
					Avg.			
	Total Drain length=47m							
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=554Nos							
	Distribution bar		1	554	2.05		0.62	700.65
	Distribution bar 8mm dia @ 200mm							
	0.39kg/mtr							
	Prakruthi layout		1	11	46.95		0.39	201.42
	Main road							
	Total Drain length=155.8m		A.E.E					
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=1836Nos							
	Distribution bar		1	1836	2.05		0.62	2322.64
	Distribution bar 8mm dia @ 200mm							
	0.39kg/mtr							
	Cross 1		1	11	155.75		0.39	668.17
	Total Drain length=68.6m		A.E.E					
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=813Nos							
	Distribution bar		1	813	2.05		0.62	1028.03
	Distribution bar 8mm dia @ 200mm							
	0.39kg/mtr							
	Harohalli		1	11	68.55		0.39	294.08
	Total Drain length=327m		A.E.E					
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=3848Nos							
	Distribution bar		1	3848	2.05		0.62	4867.22
	Distribution bar 8mm dia @ 200mm							
	0.39kg/mtr							
	7th cross, cross5		1	11	326.95		0.39	1402.62
	Total Drain length=69m		A.E.E					
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=813Nos							
	Distribution bar		1	813	2.05		0.62	1028.03
	Distribution bar 8mm dia @ 200mm							
	0.39kg/mtr							
	7th coss, cross2		1	11	68.95		0.39	295.80
	Total Drain length=299m		A.E.E					
	Main bar 10mm dia bar @ 100mm							
	0.617kg/mtr							
	No of U-bar=3519Nos							
	Distribution bar		1	3519	2.05		0.62	4450.56
	Distribution bar 8mm dia @ 200mm		A.E.E					
	0.39kg/mtr							
	7th cross, cross3		1	10	298.95		0.39	1165.91
			A.E.E					

AE-02
25/05/20

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Main bar 12mm dia bar @ 100mm								
	0.89kg/mtr								
	No of U-bar=148Nos								
	Distribution bar			148	2.05			0.89	269.81
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
	culvert			22	6.15			0.39	52.77
	Culvert length=16.8m								
	Main bar 12mm dia bar @ 100mm								
	0.89kg/mtr								
	No of U-bar=397Nos								
	Distribution bar			397	2.05			0.89	724.86
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
	culvert			22	16.65			0.39	142.86
	Culvert length=14.8m								
	Main bar 12mm dia bar @ 100mm								
	0.89kg/mtr								
	No of U-bar=350Nos								
	Distribution bar			350	2.05			0.89	639.00
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
	Culvert			22	14.70			0.39	126.13
	Culvert length=6.5m								
	Main bar 12mm dia bar @ 100mm								
	0.89kg/mtr								
	No of U-bar=155Nos								
	Distribution bar			155	2.05			0.89	282.69
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
	Culvert			22	6.45	0.00		0.39	55.34
	Culvert length=5.7m								
	Main bar 12mm dia bar @ 100mm								
	0.89kg/mtr								
	No of U-bar=136Nos								
	Distribution bar			136	2.05			0.89	248.35
	Distribution bar 8mm dia @ 200mm								
	0.39kg/mtr								
				22	5.10			0.39	43.76
		kgs				Grand Total			52299.32
		Tn							52.30
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (I No-4.31,P No-15)								

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Am checked & found correct.

Measurements verified on 30/05/20

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Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Ch : 240 to 270m		4	30.00				0.60	72.00
	Ch : 270 to 300m		4	30.00				0.60	72.00
	Ch : 300 to 327m		4	27.00				0.60	64.80
	Naidu Layout								
	7th cross, cross 5								
	Ch : 0 to 30m		4	30.00				0.60	72.00
	Ch : 30 to 60m		4	30.00				0.60	72.00
	Ch : 60 to 69m		4	9.00				0.60	21.60
	7th cross, cross 2								
	Ch : 0 to 30m		18	30.00				0.60	144.00
	Ch : 30 to 60m		8	30.00				0.60	144.00
	Ch : 60 to 90m		8	30.00				0.60	144.00
	Ch : 90 to 120m		8	30.00				0.60	144.00
	Ch : 120 to 149.5m			29.50				0.60	141.60
	7th cross, cross 3 left side								
	Ch : 0 to 30m		4	30.00				0.60	72.00
	Ch : 30 to 60m		4	30.00				0.60	72.00
	Ch : 60 to 90m		4	30.00				0.60	72.00
	Ch : 90 to 118.8m		4	28.80				0.60	69.12
	7th cross, cross 3 right side								
	Ch : 0 to 30m		4	30.00				0.60	72.00
	Ch : 30 to 60m		4	30.00				0.60	72.00
	Ch : 60 to 90m		4	30.00				0.60	72.00
	Ch : 90 to 120m		4	30.00				0.60	72.00
	Ch : 120 to 140m		4	20.00				0.60	48.00
	7th cross, cross B		8	24.40				0.60	117.12
	culverts								
	Prakruthi layout		8	6				0.60	28.80
	Synik vihar		12	8				0.70	67.20
			12	6				0.70	50.40
			4	6.2				0.70	17.36
			12	5.6				0.70	47.04
	Naidu layout		4	7.4				0.60	17.76
			8	6.5				0.60	31.20
			4	5.7				0.60	13.68
	provision store back side		4	36.3				0.60	87.12
		Sqm							**11467.38**
6	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (Page No143., I.No.19.14 of KPWD S.R 2018-19).								
	Ward No. 1								
	For Road								
	Surabhi Layout								

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10-06-2022

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10/07/22

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Apartment road, Left side				Avg.				
	Ch : 0 to 19.5m		1	19.5	4.6	4.7	4.5	0.35	31.40
	Ch : 19.5 to 49.5m		1	30	6.15	6.3	6	0.35	64.58
	Ch : 49.5 to 79.5m		1	30	6.15	6	6.3	0.35	64.58
	Ch : 79.5 to 109.5m		1	30	6.15	6.3	6	0.35	64.58
	Ch : 109.5 to 139.5m		1	30	5.95	6	5.9	0.35	62.48
	Ch : 139.5 to 169.5m		1	30	5.95	5.9	6	0.35	62.48
	Ch : 169.5 to 199.5m		1	30	6	6	6	0.35	63.00
	Ch : 199.5 to 223.2m		1	23.2	6.3	6	6.6	0.35	51.16
	Apartment road, right side								
	Ch : 0 to 30m		1	30	4.75	5	4.5	0.35	49.88
	Ch : 30 to 60m		1	30	4.55	4.5	4.6	0.35	47.78
	Ch : 60 to 90m		1	30	4.8	4.6	5	0.35	50.40
	Ch : 90 to 120m		1	30	5	5	5	0.35	52.50
	Ch : 120 to 1500m		1	30	5	5	5	0.35	52.50
	Ch : 150 to 180m		1	30	5.15	5	5.3	0.35	54.08
	Ch : 180 to 208.3m		1	28.3	5	5.3	4.7	0.35	49.53
	GKVK Layout								
	Jakkur main road to Radiant jasmin apartment								
	Ch : 0 to 30m		1	30	7.4	7.4	7.4	0.35	77.70
	Ch : 30 to 60m		1	30	7.15	7.2	7.1	0.35	75.08
	Ch : 60 to 90m		1	30	7.1	7.1	7.1	0.35	74.55
	Ch : 90 to 120m		1	30	7.2	7.1	7.3	0.35	75.60
	Ch : 120 to 150m		1	30	7.2	7.3	7.1	0.35	75.60
	Ch : 150 to 180m		1	30	7.1	7.1	7.1	0.35	74.55
	Ch : 180 to 197.6m		1	17.6	7.35	7.1	7.6	0.35	45.28
	Ch : 197.6 to 206.5m		1	8.9	7.8	9.4	6.2	0.35	24.30
	Balaji Apartment road								
	Ch : 0 to 30m		1	30	6.3	6.9	5.7	0.35	66.15
	Ch : 30 to 60m		1	30	6.1	6.5	5.7	0.35	64.05
	Ch : 60 to 90m		1	30	6	5.7	6.3	0.35	63.00
	Ch : 90 to 120m		1	30	6.3	6.3	6.3	0.35	66.15
	Ch : 120 to 134.3m		1	14.3	6.3	6.3	6.3	0.35	31.53
	Vivek Marvel road 1								
	Ch : 0 to 30m		1	30	4.3	4.3	4.3	0.35	45.15
	Ch : 30 to 60m		1	30	4.3	4.3	4.3	0.35	45.15
	Ch : 60 to 90m		1	30	4.3	4.3	4.3	0.35	45.15
	Ch : 90 to 120m		1	30	4.3	4.3	4.3	0.35	45.15
	Ch : 120 to 1500m		1	30	4.3	4.3	4.3	0.35	45.15
	Ch : 150 to 180m		1	30	4.3	4.3	4.3	0.35	45.15
	Ch : 180 to 210m		1	30	4.3	4.3	4.3	0.35	45.15
	Ch : 210 to 240m		1	30	4.3	4.3	4.3	0.35	45.15
	Ch : 240 to 270m		1	30	4.3	4.3	4.3	0.35	45.15
	Ch : 270 to 287m		1	17	4.3	4.3	4.3	0.35	25.59
	Vivek Marvel road 2								
	Ch : 0 to 30m		1	30	6.6	7	6.2	0.35	69.30
	Ch : 30 to 60m		1	30	6.5	6.2	6.8	0.35	68.25

Measurements taken in presence of contractors representatives and verified on checked & found correct.

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Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Ch : 0 to 30m		1	30	5	5	5		150.00
	Ch : 30 to 60m		1	30	5	5	5		150.00
	Ch : 60 to 90m		1	30	5	5	5		150.00
	Ch : 90 to 117m		1	27	5	5	5		135.00
	Cross 5								0.00
	Ch : 0 to 30m		1	30	5	4.9	5.1		150.00
	Ch : 30 to 58.7m		1	28.7	5	5	5		143.50
	Cross B								0.00
	Ch : 0 to 19.6m		1	19.6	4.5	4.5	4.5		88.20
	Cross rd								0.00
	Ch : 0 to 20m		1	20	4	4	4		80.00
		Sqm							**2979.05**
9	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (Page No 153., I.No.20.5 of KPWD S.R 2018-19).								
	Ward no 01								
	For Road								
	Surabhi Layout								
	Apartment road, Left side								
	Ch : 0 to 19.5m				Avg.				
	Ch : 19.5 to 49.5m		1	19.5	4.8	4.9	4.7	0.15	14.04
	Ch : 49.5 to 79.5m		1	30	6.35	6.5	6.2	0.15	28.58
	Ch : 79.5 to 109.5m		1	30	6.35	6.2	6.5	0.15	28.58
	Ch : 109.5 to 139.5m		1	30	6.35	6.5	6.2	0.15	28.58
	Ch : 139.5 to 169.5m		1	30	6.15	6.2	6.1	0.15	27.68
	Ch : 169.5 to 199.5m		1	30	6.15	6.1	6.2	0.15	27.68
	Ch : 199.5 to 223.2m		1	30	6.2	6.2	6.2	0.15	27.90
	Apartment road, right side		1	23.2	6.5	6.2	6.8	0.15	22.62
	Ch : 0 to 30m								
	Ch : 30 to 60m		1	30	4.95	5.2	4.7	0.15	22.28
	Ch : 60 to 90m		1	30	4.75	4.7	4.8	0.15	21.38
	Ch : 90 to 120m		1	30	5	4.8	5.2	0.15	22.50
	Ch : 120 to 1500m		1	30	5.2	5.2	5.2	0.15	23.40
	Ch : 150 to 180m		1	30	5.2	5.2	5.2	0.15	23.40
	Ch : 180 to 208.3m		1	30	5.35	5.2	5.5	0.15	24.08
	GKVK Layout		1	28.3	5.2	5.5	4.9	0.15	22.07
	Jakkur main road to Radiant jasmin apartment								
	Ch : 0 to 30m		1	30	7.5	7.5	7.5	0.15	33.75
	Ch : 30 to 60m		1	30	7.25	7.3	7.2	0.15	32.63

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Measurements checked & verified on 14/07/2020

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Corrected

A.E.E

14/07/20

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	cross 2								
	Ch : 0 to 30m		1	30.00	5.1	5	5.2	0.15	22.95
	Ch : 30 to 45m		1	15.00	5.1	5.1	5.1	0.15	11.48
	cross 3								
	Ch : 0 to 30m		1	30.00	5.2	5.2	5.2	0.15	23.40
	Ch : 30 to 46m		1	16.00	5.2	5.2	5.2	0.15	12.48
	Nagenahalli								
	2nd cross A		1	30.00	5.2	5.2	5.2	0.15	23.40
	2nd cross B								
	Ch : 0 to 30m		1	30.00	5.2	5.2	5.2	0.15	23.40
	Ch : 30 to 38m		1	8.00	5.2	5.2	5.2	0.15	6.24
	Cross Rd 3								
	Ch : 0 to 30m		1	30.00	5.2	5.2	5.2	0.15	23.40
	Ch : 30 to 49m		1	19.00	5.2	5.2	5.2	0.15	14.82
	Prakruthi layout								
	Cross 2								
	Ch : 0 to 30m		1	30	4.95	4.95	4.95	0.15	22.28
	Ch : 30 to 60m		1	30	4.95	4.95	4.95	0.15	22.28
	Ch : 60 to 90m		1	30	4.95	4.95	4.95	0.15	22.28
	Ch : 90 to 97m		1	7	4.95	4.95	4.95	0.15	5.20
		Cum							1537.70
10	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.155 I.No.20.18) KPWD SR 2018-19								
	Ward No.1								
	For Road								
	Surabhi Layout								
	Apartment road, Left side								
	Ch : 0 to 19.5m				Avg.				
	Ch : 19.5 to 49.5m		1	19.5	4.6	4.7	4.5	0.15	13.46
	Ch : 49.5 to 79.5m		1	30	6.15	6.3	6	0.15	27.68
	Ch : 79.5 to 109.5m		1	30	6.15	6	6.3	0.15	27.68
	Ch : 109.5 to 139.5m		1	30	6.15	6.3	6	0.15	27.68
	Ch : 139.5 to 169.5m		1	30	5.95	6	5.9	0.15	26.78
	Ch : 169.5 to 199.5m		1	30	5.95	5.9	6	0.15	26.78
	Ch : 199.5 to 223.2m		1	30	6	6	6	0.15	27.00
	Apartment road, right side		1	23.2	6.3	6	6.6	0.15	21.92
	Ch : 0 to 30m		1	30	4.75	5	4.5	0.15	21.38
	Ch : 30 to 60m		1	30	4.55	4.5	4.6	0.15	20.48
	Ch : 60 to 90m		1	30	4.8	4.6	5	0.15	21.60

Verified on 20/07/2020

A.E.E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

20/7/20

20/07/20 AE-02

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Ch : 90 to 117m		1	27.00	5.2	5.2	5.2	0.15	21.06
	Cross 5				0.2	0.2	0.2		
	Ch : 0 to 30m		1	30.00	5.2	5.1	5.3	0.15	23.40
	Ch : 30 to 58.7m		1	28.70	5.2	5.2	5.2	0.15	22.39
	Cross B		1	19.60	4.7	4.7	4.7	0.15	13.82
	cross rd		1	20.00	4.2	4.2	4.2	0.15	12.60
		Cum							2223.08
11	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (P.No 158, I.No-21.6)								
	Ward no 01								
	For Road								
	Surabhi Layout								
	Apartment road, Left side								
	Ch : 0 to 19.5m				Avg.				
	Ch : 19.5 to 49.5m		1	19.5	4.4	4.5	4.3		85.80
	Ch : 49.5 to 79.5m		1	30	5.75	5.9	5.6		172.50
	Ch : 79.5 to 109.5m		1	30	5.75	5.6	5.9		172.50
	Ch : 109.5 to 139.5m		1	30	5.75	5.9	5.6		172.50
	Ch : 139.5 to 169.5m		1	30	5.55	5.6	5.5		166.50
	Ch : 169.5 to 199.5m		1	30	5.55	5.5	5.6		166.50
	Ch : 199.5 to 223.2m		1	30	5.6	5.6	5.6		168.00
	Apartment road, right side		1	23.2	5.9	5.6	6.2		136.88
	Ch : 0 to 30m		1	30	4.55	4.8	4.3		136.50
	Ch : 30 to 60m		1	30	4.35	4.3	4.4		130.50
	Ch : 60 to 90m		1	30	4.6	4.4	4.8		138.00
	Ch : 120 to 1500m		1	30	4.8	4.8	4.8		144.00
	Ch : 150 to 180m		1	30	4.8	4.8	4.8		144.00
	Ch : 180 to 208.3m		1	30	4.95	4.8	5.1		148.50
	GKVK Layout		1	28.3	4.8	5.1	4.5		135.84
	Jakkur main road to Radiant jasmin apartment								
	Ch : 0 to 30m		1	30	6.8	6.8	6.8		204.00
	Ch : 30 to 60m		1	30	6.55	6.6	6.5		196.50
	Ch : 60 to 90m		1	30	6.5	6.5	6.5		195.00
	Ch : 90 to 120m		1	30	6.6	6.5	6.7		198.00
	Ch : 120 to 150m		1	30	6.6	6.7	6.5		198.00
	Ch : 150 to 180m		1	30	6.5	6.5	6.5		195.00
	Ch : 180 to 197.6m		1	17.6	6.75	6.5	7		118.80
	Ch : 197.6 to 206.5m		1	8.9	7.2	8.8	5.6		64.08
	Balaji Apartment road								
	Ch : 0 to 30m		1	30	6.1	6.7	5.5		183.00
	Ch : 30 to 60m		1	30	5.9	6.3	5.5		177.00

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Measurements verified & found correct

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24-7-20

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24/07/20

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Ch : 60 to 80m		1	20	6.3	6.3	6.3	0.05	6.30
	cross 3								
	Ch : 0 to 30m		1	30	6.4	6.4	6.4	0.05	9.60
	Ch : 30 to 60m		1	30	6.4	6.4	6.4	0.05	9.60
	Ch : 60 to 69m		1	9	6.4	6.4	6.4	0.05	2.88
	cross 4								
	Ch : 0 to 30m		1	30	6.4	6.4	6.4	0.05	9.60
	Ch : 30 to 60m		1	30	6.4	6.4	6.4	0.05	9.60
	Ch : 60 to 62m		1	2	6.4	6.4	6.4	0.05	0.64
	road humps		5	6.5	0.7			0.05	1.14
	culverts approch			5.4	3.5			0.05	1.89
				9.5	3.5			0.05	3.33
	patch work		6	3.6	3.5			0.05	3.78
			7	4.2	3.5			0.05	5.15
			6	5.5	3.5			0.05	5.78
			5	5	3.9			0.05	4.88
	Ward no 02								
	Naidu Layout								
	cross 1								
	Ch : 0 to 30m		1	30.00	5.00	5.00	5.00	0.05	7.50
	Ch : 30 to 45m		1	15.00	5.00	5.00	5.00	0.05	3.75
	cross 2								
	Ch : 0 to 30m		1	30.00	5.10	5.00	5.20	0.05	7.65
	Ch : 30 to 45m		1	15.00	5.10	5.10	5.10	0.05	3.83
	cross 3								
	Ch : 0 to 30m		1	30.00	5.20	5.20	5.20	0.05	7.80
	Ch : 30 to 46m		1	16.00	5.20	5.20	5.20	0.05	4.16
	Nagenahalli								
	2nd cross A		1	30.00	5.00	5.00	5.00	0.05	7.50
	2nd cross B								
	Ch : 0 to 30m		1	30.00	5.00	5.00	5.00	0.05	7.50
	Ch : 30 to 38m		1	8.00	5.00	5.00	5.00	0.05	2.00
	Cross Rd 3								
	Ch : 0 to 30m		1	30.00	5.00	5.00	5.00	0.05	7.50
	Ch : 30 to 49m		1	19.00	5.00	5.00	5.00	0.05	4.75
	Prakruthi Layout								
	Cross A								
	Ch : 0 to 30m		1	30.00	5.60	5.70	5.50	0.05	8.40
	Ch : 30 to 60m		1	30.00	5.60	5.60	5.60	0.05	8.40
	Ch : 60 to 90m		1	30.00	5.60	5.60	5.60	0.05	8.40
	Ch : 90 to 120m		1	30.00	5.60	5.60	5.60	0.05	8.40
	Ch : 120 to 139.3m		1	19.30	5.60	5.50	5.70	0.05	5.40
	Cross 1								0.00
	Ch : 0 to 30m		1	30.00	5.20	5.10	5.30	0.05	7.80
	Ch : 30 to 60m		1	30.00	5.20	5.20	5.20	0.05	7.80
	Ch : 60 to 67m		1	7.00	5.20	5.20	5.20	0.05	1.82
	cross 2								
	Ch : 0 to 30m		1	30.00	5.00	5.00	5.00	0.05	7.50
	Ch : 30 to 60m		1	30.00	5.00	5.00	5.00	0.05	7.50

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Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Sl No	Description of Items	Unit	No	Length	Width			Depth	Quantity
					Avg.				
	Ch : 60 to 90m		1	30.00	5.00	5.00	5.00	0.05	7.50
	Ch : 90 to 97m		1	7.00	5.00	5.00	5.00	0.05	1.75
	Cross 3								
	Ch : 0 to 30m		1	30.00	5.20	5.2	5.2	0.05	7.80
	Ch : 30 to 60m		1	30.00	5.20	5.2	5.2	0.05	7.80
	Ch : 60 to 90m		1	30.00	5.20	5.2	5.2	0.05	7.80
	Ch : 90 to 120m		1	30.00	5.20	5.2	5.2	0.05	7.80
	Ch : 120 to 142.7m		1	22.70	5.20	5.2	5.2	0.05	5.90
	Cross 4								
	Ch : 0 to 30m		1	30.00	5.00	5	5	0.05	7.50
	Ch : 30 to 60m		1	30.00	5.00	5	5	0.05	7.50
	Ch : 60 to 90m		1	30.00	5.00	5	5	0.05	7.50
	Ch : 90 to 117m		1	27.00	5.00	5	5	0.05	6.75
	Cross 5								
	Ch : 0 to 30m		1	30.00	5.00	4.9	5.1	0.05	7.50
	Ch : 30 to 58.7m		1	28.70	5.00	5	5	0.05	7.18
	Cross B		1	19.60	4.50	4.50	4.50	0.05	4.41
	cross rd		1	20.00	4.00	4	4	0.05	4.00
	road humps		4	5.84	0.9			0.20	4.20
		Cum							711.78

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Contractor

24-7-20 Assistant Engineer

AE-13 24/07/20

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore